GenCore version 4.5
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OM protein - protein search, using sw model

Run on: June 11, 2001, 16:10:28 ; Search time 13.17 Seconds
                                        (without alignments)
                                        322.369 Million cell updates/sec

Title: US-09-033-662-2
Perfect score: 1238
Sequence: 1 MRRCRISGRPPAPPGVPAQA.........CQGRGLELNPDTCRCRKLRR 221

Scoring table: BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :   Issued_Patents_AA:*
                 1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
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                 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	918	74.2	188	1	US-08-469-427A-11	Sequence 11, Appl
2	918	74.2	188	2	US-08-609-443B-11	Sequence 11, Appl
3	918	74.2	188	2	US-08-569-063C-11	Sequence 11, Appl
4	918	74.2	188	4	US-08-795-430-57	Sequence 57, Appl
5	824	66.6	207	2	US-08-609-443B-15	Sequence 15, Appl
6	824	66.6	207	2	US-08-569-063C-15	Sequence 15, Appl
7	796	64.3	188	1	US-08-469-427A-5	Sequence 5, Appl
8	796	64.3	188	2	US-08-609-443B-5	Sequence 5, Appl
9	796	64.3	188	2	US-08-569-063C-5	Sequence 5, Appl
10	782.5	63.2	195	1	US-08-469-427A-7	Sequence 7, Appl
11	782.5	63.2	195	2	US-08-609-443B-7	Sequence 7, Appl
12	782.5	63.2	195	2	US-08-569-063C-7	Sequence 7, Appl
13	724	58.5	207	2	US-08-609-443B-13	Sequence 13, Appl
14	724	58.5	207	2	US-08-569-063C-13	Sequence 13, Appl
15	543	43.9	133	1	US-08-469-427A-9	Sequence 9, Appl
16	543	43.9	133	2	US-08-609-443B-9	Sequence 9, Appl
17	543	43.9	133	2	US-08-569-063C-9	Sequence 9, Appl
18	489	39.5	102	1	US-08-469-427A-2	Sequence 2, Appl
19	489	39.5	102	2	US-08-609-443B-2	Sequence 2, Appl
20	489	39.5	102	2	US-08-569-063C-2	Sequence 2, Appli
21	364.5	29.4	215	4	US-08-586-039B-49	Sequence 49, Appl
22	364.5	29.4	215	6	5240848-7	Patent No. 5240848
23	363.5	29.4	215	6	US-08-807-992B-3	Sequence 3, Appli
24	360.5	29.1	215	6	5219739-22	Patent No. 5219739
25	359.5	29.0	231	5	PCT-US96-09001-10	Sequence 10, Appl
26	359	29.0	232	3	US-08-999-811-7	Sequence 7, Appli
27	359	29.0	232	3	US-08-807-992B-4	Sequence 4, Appli
28	359	29.0	232	3	US-09-042-105-7	Sequence 7, Appl
29	358	28.9	214	4	US-08-586-039B-35	Sequence 35, Appl
30	358	28.9	214	4	5240848-11	Patent No. 5240848
31	353	28.5	232	2	US-08-824-996-9	Sequence 9, Appl
32	350	28.3	190	4	US-08-586-039B-31	Sequence 31, Appl
33	345.5	27.9	165	6	5194596-18	Patent No. 5194596
34	345.5	27.9	165	6	5219739-19	Patent No. 5219739
35	345.5	27.9	191	3	US-08-567-200A-2	Sequence 2, Appl
36	345.5	27.9	191	3	US-08-807-992B-2	Sequence 2, Appl
37	345.5	27.9	191	3	US-08-691-794-2	Sequence 2, Appl
38	345.5	27.9	191	4	US-08-795-430-56	Sequence 56, Appl
39	345.5	27.9	191	6	5332671-4	Patent No. 5332671
40	339	27.4	190	2	US-08-569-063C-20	Sequence 20, Appl
41	339	27.4	164	6	5194596-17	Patent No. 5194596
42	339	27.4	164	6	5219739-17	Patent No. 5219739
43	339	27.4	164	6	5219739-18	Patent No. 5219739
44	339	27.4	190	6	5332671-3	Patent No. 5332671
45	324.5	26.2	189	1	US-08-469-427A-15	Sequence 15, Appl

ALIGNMENTS

RESULT 1
US-08-469-427A-11
;Sequence 11, Application US/0846942TA
;Patent No; 5607918
; GENERAL INFORMATION:
;   APPLICANT: Eriksson, Ulf
;   APPLICANT: Olofsson, Birgitta
;   APPLICANT: Alitalo, Kari
;   APPLICANT: Pajusola, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 17
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
;   STREET: 1200 G Street, N.W., Suite 700
;   CITY: Washington
;   STATE: DC
;   ZIP: 20005
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/469,427A
;   FILING DATE: 06-JUN-1995
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/397,651
;   FILING DATE: 01-MAR-1995
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Evans, Joseph D
;   REGISTRATION NUMBER: 26,269
;   REFERENCE/DOCKET NUMBER: 41979cp2
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (202) 628-8800
;   TELEFAX: (202) 628-8844
;   INFORMATION FOR SEQ ID NO: 11:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 188 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
;   HYPOTHETICAL: NO
;   ORIGINAL SOURCE:
;   TISSUE TYPE: human fibrosarcoma
US-08-469-427A-11

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Query Match        74.2%;  Score 918; DB 1; Length 188;
Best Local Similarity  82.9%;  Pred. No. 4.2e-77;
Matches 170;  Conservative 0;  Mismatches 1;  Indels 34;  Gaps 1;

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Qy   197  RSFLRCQGRGLELNPDTCRCRKLRR 221
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Db   164  RSFLRCQGRGLELNPDTCRCRKLRR 188


RESULT 2
US-08-609-443B-11
; Sequence 11, Application US/08609443B
; Patent No. 5849069;
GENERAL INFORMATION:
;   APPLICANT: ERIKSSON, Ulf
;   APPLICANT: OLOFSSON, Birgitta
;   APPLICANT: ALITALO, Kari
;   APPLICANT: PAJUSOLA, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 57
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;     STREET: 1200 G Street, N.W., Suite 700
;     CITY: Washington
;     STATE: DC
;     COUNTRY: USA
;     ZIP: 20005
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC Compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/609,443B
;     FILING DATE: 01-MAR-1996
;     CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/397,651
;     FILING DATE: 01-MAR-1995
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/469,427
;     FILING DATE: 06-JUN-1995
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/569,063
;     FILING DATE: 06-DEC-1995
;   ATTORNEY/AGENT INFORMATION:
;     NAME: EVANS, Joseph D
;     REGISTRATION NUMBER: 26,269
;     REFERENCE/DOCKET NUMBER: 1064/41979CP4
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (202) 628-8800
;     TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 11:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 188 amino acids
;     TYPE: amino acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
;   MOLECULE TYPE: protein
;   HYPOTHETICAL: NO
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;   ORIGINAL SOURCE:
;     TISSUE TYPE: human fibrosarcoma
US-08-609-443B-11

Query Match        74.2%;  Score 918; DB 2; Length 188;
Best Local Similarity  82.9%;  Pred. No. 4.2e-77;
Matches 170;  Conservative 0;  Mismatches 1;  Indels 34;  Gaps 1;

Qy    17  PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQR 76
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Qy   197  RSFLRCQGRGLELNPDTCRCRKLRR 221
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Db   164  RSFLRCQGRGLELNPDTCRCRKLRR 188


RESULT 3
US-08-569-063C-11
; Sequence 11, Application US/08569063C
; Patent No. 5928939
GENERAL INFORMATION:
;   APPLICANT: ERIKSSON, Ulf
;   APPLICANT: OLOFSSON, Birgitta
;   APPLICANT: ALITALO, Kari
;   APPLICANT: PAJUSOLA, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR.
;   NUMBER OF SEQUENCES: 23
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;     STREET: 1200 G Street, N.W., Suite 700
;     CITY: Washington
;     STATE: DC
;     COUNTRY: USA
;     ZIP: 20005
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/569,063C
;     FILING DATE: 06-DEC-1995
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/469,427
;     FILING DATE: 06-JUN-1995
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/397,651
;     FILING DATE: 01-MAR-1995
;   ATTORNEY/AGENT INFORMATION:
;     NAME: EVANS, Joseph D
;     REGISTRATION NUMBER: 26,269
;     REFERENCE/DOCKET NUMBER: 1064/41979CP3
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (202) 628-8800
;     TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 11:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 188 amino acids
;     TYPE: amino acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
;   MOLECULE TYPE: protein
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;   HYPOTHETICAL: NO
;   ORIGINAL SOURCE:
;     TISSUE TYPE: human fibrosarcoma
US-08-569-063C-11

Query Match             74.2%;    Score 918;  DB 2;   Length 188;
Best Local Similarity   82.9%;    Pred. No. 4.2e-77;
Matches 170;  Conservative  0;  Mismatches  1;  Indels  34;  Gaps  1;

Qy   17  PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVPLTVELGTVAKQLVPSCVTVQR 76
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Db   18  PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVPLTVELGTVAKQLVPSCVTVQR 77

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Db   78  CGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPD- 136

Qy   137 AATPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCRCRCRR 196
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Db   137 ---------------------------------------SPRPLCPRCTQHHQRPDPRTCRCRCRR 163

Qy   197 RSFLRCQGRGLELNPDTCRCRKLRR 221
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Db   164 RSFLRCQGRGLELNPDTCRCRKLRR 188
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RESULT   4
US-08-795-430-57
;  Sequence 57, Application US/08795430
;  Patent No. 6130071
;  GENERAL INFORMATION:
;    APPLICANT: Alitalo, Kari
;    APPLICANT: Joukov, Vladimir
;    TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
;    TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
;    NUMBER OF SEQUENCES: 57
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET: 6300 Sears Tower, 233 South Wacker Drive
;      CITY: Chicago
;      STATE: Illinois
;      COUNTRY: United States of America
;      ZIP: 60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC-DOS/MS-DOS
;      SOFTWARE: PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/795,430
;      FILING DATE:
;      CLASSIFICATION: 435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: PCT/FI96/00427
;      FILING DATE: 01-AUG-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 08/671,573
;      FILING DATE: 28-JUN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 08/601,132
;      FILING DATE: 14-FEB-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 08/585,895
;      FILING DATE: 12-JAN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 08/510,133
;      FILING DATE: 01-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 08/340,011
;      FILING DATE: 14-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME: Gass, David A.
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;   REGISTRATION NUMBER: 38,153
;   REFERENCE/DOCKET NUMBER: 28967/33691
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 312/474-6300
;     TELEFAX: 312/474-0448
;     TELEX: 25-356
INFORMATION FOR SEQ ID NO:  57;
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 188 amino acids
;     TYPE: amino acid
;     STRANDEDNESS: not relevant
;     TOPOLOGY: linear
;     MOLECULE TYPE: protein
US-08-795-430-57

Query Match             74.2%;    Score 918;  DB 4;   Length 188;
Best Local Similarity   82.9%;    Pred. No. 4.2e-77;
Matches 170;  Conservative  0;  Mismatches  0;  Indels  34;  Gaps  1;

Qy   17  PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVPLTVELGTVAKQLVPSCVTVQR 76
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Db   18  PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVPLTVELGTVAKQLVPSCVTVQR 77

Qy   77  CGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDR 136
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Qy   137 AATPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCRCRCRR 196
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Qy   197 RSFLRCQGRGLELNPDTCRCRKLRR 221
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Db   164 RSFLRCQGRGLELNPDTCRCRKLRR 188
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RESULT   5
US-08-609-443B-15
;  Sequence 15, Application US/08609443B
;  Patent No. 5840693
;  GENERAL INFORMATION:
;    APPLICANT: ERIKSSON, Ulf
;    APPLICANT: OLOFSSON, Birgitta
;    APPLICANT: ALITALO, Kari
;    APPLICANT: PAJUSOLA, Katri
;    TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;    TITLE OF INVENTION: DNA CODING THERFOR
;    NUMBER OF SEQUENCES: 57
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;      STREET: 1200 G Street, N.W., Suite 700
;      CITY: Washington
;      STATE: DC
;      COUNTRY: USA
;      ZIP: 20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC-DOS/MS-DOS
;      SOFTWARE: PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/609,443B
;      FILING DATE: 01-MAR-1996
;      CLASSIFICATION: 435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US 08/397,651
;      FILING DATE: 01-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US 08/469,427
;      FILING DATE: 06-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US 08/569,063
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          FILING DATE: 06-DEC-1995
     ATTORNEY/AGENT INFORMATION:
          NAME: EVANS, Joseph D
          REGISTRATION NUMBER: 26,269
          REFERENCE/DOCKET NUMBER: 1064/41979CP4
     TELECOMMUNICATION INFORMATION:
          TELEPHONE: (202) 628-8800
          TELEFAX: (202) 628-8844
     INFORMATION FOR SEQ ID NO: 15:
     SEQUENCE CHARACTERISTICS:
          LENGTH: 207 amino acids
          TYPE: amino acid
          STRANDEDNESS: single
          TOPOLOGY: linear
     MOLECULE TYPE: protein
     ORIGINAL SOURCE:
          TISSUE TYPE: human
US-08-609-443B-15

Query Match          66.6%;   Score 824;  DB 2;  Length 207;
Best Local Similarity 96.8%;  Pred. No. 1.9e-68;
Matches 152;  Conservative 1;  Mismatches 2;  Indels 2;  Gaps 1;

Qy   17 PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQR 76
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Qy   77 CGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDR 136
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Qy  137 AATPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRP 173
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RESULT 6
US-08-569-063C-15
; Sequence 15, Application US/08569063C
; Patent No. 5928939
; GENERAL INFORMATION:
     APPLICANT: ERIKSSON, Ulf
     APPLICANT: OLOFSSON, Birgitta
     APPLICANT: ALITALO, Karl
     APPLICANT: PAJUSOLA, Katri
     TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
     TITLE OF INVENTION: DNA CODING THEREFOR
     NUMBER OF SEQUENCES: 23
     CORRESPONDENCE ADDRESS:
          ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
          STREET: 1200 G Street, N.W., Suite 700
          CITY: Washington
          STATE: DC
          COUNTRY: USA
          ZIP: 20005
     COMPUTER READABLE FORM:
          MEDIUM TYPE: Floppy disk
          COMPUTER: IBM PC compatible
          OPERATING SYSTEM: PC-DOS/MS-DOS
          SOFTWARE: PatentIn Release #1.0, Version #1.25
     CURRENT APPLICATION DATA:
          APPLICATION NUMBER: US/08/569,063C
          FILING DATE: 06-DEC-1995
     PRIOR APPLICATION DATA:
          APPLICATION NUMBER: US 08/469,427
          FILING DATE: 06-JUN-1995
     PRIOR APPLICATION DATA:
          APPLICATION NUMBER: US 08/397,651
          FILING DATE: 01-MAR-1995
     ATTORNEY/AGENT INFORMATION:
          NAME: Evans, Joseph D
          REGISTRATION NUMBER: 26,269
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          REFERENCE/DOCKET NUMBER: 1064/41979CP3
     TELECOMMUNICATION INFORMATION:
          TELEPHONE: (202) 628-8800
          TELEFAX: (202) 628-8844
     INFORMATION FOR SEQ ID NO: 15:
     SEQUENCE CHARACTERISTICS:
          LENGTH: 207 amino acids
          TYPE: amino acid
          STRANDEDNESS: single
          TOPOLOGY: linear
     MOLECULE TYPE: protein
     ORIGINAL SOURCE:
          TISSUE TYPE: human
US-08-569-063C-15

Query Match          66.6%;   Score 824;  DB 2;  Length 207;
Best Local Similarity 96.8%;  Pred. No. 1.9e-68;
Matches 152;  Conservative 1;  Mismatches 2;  Indels 2;  Gaps 1;

Qy   17 PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQR 76
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   18 PAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQR 77

Qy   77 CGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDR 136
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   78 CGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDR 137

Qy  137 AATPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRP 173
        ||||||||||||||||||||||||||| : |
Db  138 AATPHHRPQPRSVPGWDSAPGAPSPADIT--HPTPAP 172

RESULT 7
US-08-469-427A-5
; Sequence 5, Application US/08469427A
; Patent No. 5607918
; GENERAL INFORMATION:
     APPLICANT: Eriksson, Ulf
     APPLICANT: Olofsson, Birgitta
     APPLICANT: Alitalo, Karl
     APPLICANT: Pajusola, Katri
     TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
     TITLE OF INVENTION: DNA CODING THEREFOR
     NUMBER OF SEQUENCES: 17
     CORRESPONDENCE ADDRESS:
          ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
          STREET: 1200 G Street, N.W., Suite 700
          CITY: Washington
          STATE: DC
          ZIP: 20005
     COMPUTER READABLE FORM:
          MEDIUM TYPE: Floppy disk
          COMPUTER: IBM PC compatible
          OPERATING SYSTEM: PC-DOS/MS-DOS
          SOFTWARE: PatentIn Release #1.0, Version #1.25
     CURRENT APPLICATION DATA:
          APPLICATION NUMBER: US/08/469,427A
          FILING DATE: 06-JUN-1995
          CLASSIFICATION: 435
     PRIOR APPLICATION DATA:
          APPLICATION NUMBER: US 08/397,651
          FILING DATE: 01-MAR-1995
     ATTORNEY/AGENT INFORMATION:
          NAME: Evans, Joseph D
          REGISTRATION NUMBER: 26,269
          REFERENCE/DOCKET NUMBER: 41979cp2
     TELECOMMUNICATION INFORMATION:
          TELEPHONE: (202) 628-8800
          TELEFAX: (202) 628-8844
     INFORMATION FOR SEQ ID NO: 5:
     SEQUENCE CHARACTERISTICS:
          LENGTH: 188 amino acids
```

```
TELEPHONE:   (202) 628-8800
TELEFAX:     (202) 628-8844
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH:  188 amino acids
TYPE:  amino acid
STRANDEDNESS:  single
TOPOLOGY:  linear
MOLECULE TYPE:  protein
HYPOTHETICAL:  NO
ORIGINAL SOURCE:
TISSUE TYPE:  adult mouse heart
US-08-609-443B-5

Query Match    64.3%;     Score 796;  DB 2;    Length 188;
Best Local Similarity 72.9%;   Pred. No. 6.4e-66;
Matches 148;  Conservative  6;  Mismatches 15;  Indels 34;  Gaps  1;

Qy    19 QAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQRCG 78
         |||||| | |:|| :||| ||||| |||||||||||||::|||| | ||||||||||||
Db    20 QAPVSQFDGPSHQKKVVPWIDVYARATCQPREVVVPLSMELMGNVVKQLVPSCVTVQRCG 79

Qy    79 GCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDRAA 138
         |||||||||||||||||||||||||||:||||||||||||||||||||:::|||||
Db    80 GCCPDDGLECVPTGQHQVRMQILMIQYPSSQLGEMSLEEHSQCECRPKKKESAVKPD--- 136

Qy   139 TPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCRCRCRRRS 198
         ||| ||| || |||||||||||||||||
Db   137 ------------------------SPRILCPPCTQRRQRPDPRTCRCRCRRRR 165

Qy   199 FLRCQGRGLELNPDTCRCRKLRR 221
         || ||||||||||||||||| :
Db   166 FLHCQGRGLELNPDTCRCRKPRK 188

RESULT 9
US-08-569-063C-5
Sequence 5, Application US/08569063C
Patent No. 5928939
GENERAL INFORMATION:
APPLICANT:  ERIKSSON, Ulf
APPLICANT:  OLOFSSON, Birgitta
APPLICANT:  ALITALO, Kari
APPLICANT:  PAJUSOLA, Katri
TITLE OF INVENTION:  VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION:  DNA CODING THEREFOR
NUMBER OF SEQUENCES:  23
CORRESPONDENCE ADDRESS:
ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
STREET:  1200 G Street, N.W., Suite 700
CITY:  Washington
STATE:  DC
COUNTRY:  USA
ZIP:  20005
COMPUTER READABLE FORM:
MEDIUM TYPE:  Floppy disk
COMPUTER:  IBM PC compatible
OPERATING SYSTEM:  PC-DOS/MS-DOS
SOFTWARE:  PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER:  US/08/569,063C
FILING DATE:  06-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER:  US 08/469,427
FILING DATE:  06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER:  US 08/397,651
FILING DATE:  01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME:  EVANS, Joseph D
REGISTRATION NUMBER:  26,269
REFERENCE/DOCKET NUMBER:  1064/41979CP3
```

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TYPE:  amino acid
STRANDEDNESS:  single
TOPOLOGY:  linear
MOLECULE TYPE:  protein
HYPOTHETICAL:  NO
ORIGINAL SOURCE:
TISSUE TYPE:  adult mouse heart
US-08-469-427A-5

Query Match    64.3%;     Score 796;  DB 1;    Length 188;
Best Local Similarity 72.9%;   Pred. No. 6.4e-66;
Matches 148;  Conservative  6;  Mismatches 15;  Indels 34;  Gaps  1;

Qy    19 QAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQRCG 78
         |||||| | |:|| :||| ||||| |||||||||||||::|||| | ||||||||||||
Db    20 QAPVSQFDGPSHQKKVVPWIDVYARATCQPREVVVPLSMELMGNVVKQLVPSCVTVQRCG 79

Qy    79 GCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDRAA 138
         |||||||||||||||||||||||||||:||||||||||||||||||||:::|||||
Db    80 GCCPDDGLECVPTGQHQVRMQILMIQYPSSQLGEMSLEEHSQCECRPKKKESAVKPD--- 136

Qy   139 TPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCRCRCRRRS 198
         ||| ||| || |||||||||||||||||
Db   137 ------------------------SPRILCPPCTQRRQRPDPRTCRCRCRRRR 165

Qy   199 FLRCQGRGLELNPDTCRCRKLRR 221
         || ||||||||||||||||| :
Db   166 FLHCQGRGLELNPDTCRCRKPRK 188

RESULT 8
US-08-609-443B-5
Sequence 5, Application US/08609443B
Patent No. 5840693
GENERAL INFORMATION:
APPLICANT:  ERIKSSON, Ulf
APPLICANT:  OLOFSSON, Birgitta
APPLICANT:  ALITALO, Kari
APPLICANT:  PAJUSOLA, Katri
TITLE OF INVENTION:  VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION:  DNA CODING THEREFOR
NUMBER OF SEQUENCES:  57
CORRESPONDENCE ADDRESS:
ADDRESSEE:  Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
STREET:  1200 G Street, N.W., Suite 700
CITY:  Washington
STATE:  DC
COUNTRY:  USA
ZIP:  20005
COMPUTER READABLE FORM:
MEDIUM TYPE:  Floppy disk
COMPUTER:  IBM PC compatible
OPERATING SYSTEM:  PC-DOS/MS-DOS
SOFTWARE:  PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER:  US/08/609,443B
FILING DATE:  01-MAR-1996
CLASSIFICATION:  435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:  US 08/397,651
FILING DATE:  01-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER:  US 08/469,427
FILING DATE:  06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER:  US 08/569,063
FILING DATE:  06-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME:  EVANS, Joseph D
REGISTRATION NUMBER:  26,269
REFERENCE/DOCKET NUMBER:  1064/41979CP4
TELECOMMUNICATION INFORMATION:
```

```
          TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (202) 628-8800
;             TELEFAX:   (202) 628-8844
;     INFORMATION FOR SEQ ID NO: 5:
;         SEQUENCE CHARACTERISTICS:
;             LENGTH: 188 amino acids
;             TYPE: amino acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;         MOLECULE TYPE: protein
;         HYPOTHETICAL: NO
;         ORIGINAL SOURCE:
;             TISSUE TYPE: adult mouse heart
  US-08-569-063C-5
```

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  Query Match         64.3%;   Score 796; DB 2; Length 188;
  Best Local Similarity 72.9%;   Pred. No. 6.4e-66;
  Matches 148; Conservative  6;  Mismatches 15;  Indels 34;  Gaps 1;

  Qy   19  QAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVPLTVELMGTVAKQLVPSCVTVQRCG   78
           |||||| | |:|||  |||| ||||||||::|||  | ||||||||||||||
  Db   20  QAPVSQFDGPSHQKKVVPWIDVYARATCQPREVVPLSMELMGNVVKQLVPSCVTVQRCG   79

  Qy   79  GCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDRAA  138
           |||||||||||||||||||||  ||||||||||||||||||||||||:||||
  Db   80  GCCPDDGLECVPTGQHQVRMQILMIQYPSSQLGEMSLEEHSQCECRPKKKESAVKPD---  136

  Qy  139  TPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCRCRCRRRS  198
                                                      |||  ||| |||| |||||||
  Db  137  ------------------------------------------SPRILCPPCTQRRQRPD  188

  Qy  199  FLRCQGRGLELNPDTCRCRKLRR  221
           || |||||||||||||| |:
  Db  166  FLHCQGRGLELNPDTCRCRKPRK  188
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```
  RESULT 10
  US-08-469-427A-7
  ; Sequence 7, Application US/08469427A
  ; Patent No. 5607918
  ; GENERAL INFORMATION:
  ;     APPLICANT: Eriksson, Ulf
  ;     APPLICANT: Olofsson, Birgitta
  ;     APPLICANT: Alitalo, Kari
  ;     APPLICANT: Pajusola, Katri
  ;     TITLE OF INVENTION:  VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
  ;     TITLE OF INVENTION:  DNA CODING THEREFOR
  ;     NUMBER OF SEQUENCES: 17
  ;     CORRESPONDENCE ADDRESS:
  ;         ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
  ;         STREET: 1200 G Street, N.W., Suite 700
  ;         CITY: Washington
  ;         STATE: DC
  ;         ZIP: 20005
  ;     COMPUTER READABLE FORM:
  ;         MEDIUM TYPE: Floppy disk
  ;         COMPUTER: IBM PC compatible
  ;         OPERATING SYSTEM: PC-DOS/MS-DOS
  ;         SOFTWARE: PatentIn Release #1.0, Version #1.25
  ;     CURRENT APPLICATION DATA:
  ;         APPLICATION NUMBER: US/08/469,427A
  ;         FILING DATE: 06-JUN-1995
  ;         CLASSIFICATION: 435
  ;     PRIOR APPLICATION DATA:
  ;         APPLICATION NUMBER: US 08/397,651
  ;         FILING DATE: 01-MAR-1995
  ;     ATTORNEY/AGENT INFORMATION:
  ;         NAME: Evans, Joseph D
  ;         REGISTRATION NUMBER: 26,269
  ;         REFERENCE/DOCKET NUMBER: 41979cp2
  ;     TELECOMMUNICATION INFORMATION:
  ;         TELEPHONE: (202) 628-8800
```

```
;             TELEFAX:   (202) 628-8844
;     INFORMATION FOR SEQ ID NO: 7:
;         SEQUENCE CHARACTERISTICS:
;             LENGTH: 195 amino acids
;             TYPE: amino acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;         MOLECULE TYPE: protein
;         HYPOTHETICAL: NO
;         ORIGINAL SOURCE:
;             TISSUE TYPE: adult mouse heart
  US-08-469-427A-7
```

```
  Query Match         63.2%;   Score 782.5; DB 1; Length 195;
  Best Local Similarity 70.5%;   Pred. No. 1.2e-64;
  Matches 148; Conservative  6;  Mismatches 15;  Indels 41;  Gaps 2;

  Qy   19  QAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVPLTVELMGTVAKQLVPSCVTVQRCG   78
           |||||| | |:|||  |||| ||||||||::|||  | ||||||||||||||
  Db   20  QAPVSQFDGPSHQKKVVPWIDVYARATCQPREVVPLSMELMGNVVKQLVPSCVTVQRCG   79

  Qy   79  GCCPDDGLECVPTGQHQVRM------QILMIRYPSSQLGEMSLEEHSQCECRPKKKDSA  131
           ||||||||||||||||||||      |||||:||||||||||||||||||||::||
  Db   80  GCCPDDGLECVPTGQHQVRMQVPGPMGQILMIQYPSSQLGEMSLEEHSQCECRPKKKESA  139

  Qy  132  VKPDRAATPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCR  191
           ||||                                             |||  ||| |||| ||| |||||||
  Db  140  VKPD------------------------------------------SPRILCPPCTQRRQRPDPRTCR  165

  Qy  192  CRCRRSFLRCQGRGLELNPDTCRCRKLRR  221
           ||||| || |||||||||||||| |:
  Db  166  CRCRRRFLHCQGRGLELNPDTCRCRKPRK  195
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```
  RESULT 11
  US-08-609-443B-7
  ; Sequence 7, Application US/08609443B
  ; Patent No. 5840693
  ; GENERAL INFORMATION:
  ;     APPLICANT: ERIKSSON, Ulf
  ;     APPLICANT: OLOFSSON, Birgitta
  ;     APPLICANT: ALITALO, Kari
  ;     APPLICANT: PAJUSOLA, Katri
  ;     TITLE OF INVENTION:  VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
  ;     TITLE OF INVENTION:  DNA CODING THEREFOR
  ;     NUMBER OF SEQUENCES: 57
  ;     CORRESPONDENCE ADDRESS:
  ;         ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
  ;         STREET: 1200 G Street, N.W., Suite 700
  ;         CITY: Washington
  ;         STATE: DC
  ;         COUNTRY: USA
  ;         ZIP: 20005
  ;     COMPUTER READABLE FORM:
  ;         MEDIUM TYPE: Floppy disk
  ;         COMPUTER: IBM PC compatible
  ;         OPERATING SYSTEM: PC-DOS/MS-DOS
  ;         SOFTWARE: PatentIn Release #1.0, Version #1.25
  ;     CURRENT APPLICATION DATA:
  ;         APPLICATION NUMBER: US/08/609,443B
  ;         FILING DATE: 01-MAR-1996
  ;         CLASSIFICATION: 435
  ;     PRIOR APPLICATION DATA:
  ;         APPLICATION NUMBER: US 08/397,651
  ;         FILING DATE: 01-MAR-1995
  ;     PRIOR APPLICATION DATA:
  ;         APPLICATION NUMBER: US 08/469,427
  ;         FILING DATE: 06-JUN-1995
  ;     PRIOR APPLICATION DATA:
  ;         APPLICATION NUMBER: US 08/569,063
  ;         FILING DATE: 06-DEC-1995
  ;     ATTORNEY/AGENT INFORMATION:
```

```
              NAME: EVANS, Joseph D
              REGISTRATION NUMBER: 26,269
              REFERENCE/DOCKET NUMBER: 1064/41979CP4
       TELECOMMUNICATION INFORMATION:
              TELEPHONE: (202) 628-8800
              TELEFAX: (202) 628-8844
       INFORMATION FOR SEQ ID NO: 7:
       SEQUENCE CHARACTERISTICS:
              LENGTH: 195 amino acids
              TYPE: amino acid
              STRANDEDNESS: single
              TOPOLOGY: linear
              MOLECULE TYPE: protein
              HYPOTHETICAL: NO
       ORIGINAL SOURCE:
              TISSUE TYPE: adult mouse heart
US-08-609-443B-7
```

```
Query Match             63.2%;    Score 782.5; DB 2; Length 195;
Best Local Similarity   70.5%;    Pred. No. 1.2e-64;
Matches 148;  Conservative  6;  Mismatches 15; Indels 41; Gaps 2;

Qy   19  QAPVSQPDAPGHQRKVVSWIDVVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQRCG 78
         |||||  | |:||| |||| ||||||||||:::||| | ||||||||||||
Db   20  QAPVSQFDGPSHQKKVVPWIDVVYARATCQPREVVVPLSMELMGNVVKQLVPSCVTVQRCG 79

Qy   79  GCCPDDGLECVPTGQHQVRM------QILMIRYPSSQLGEMSLEEHSQCECRPKKKDSA 131
         ||||||||||||||||||||      |||:|||||||||||||||||||||||||:||
Db   80  GCCPDDGLECVPTGQHQVRMQVPGMGQILMIQYPSSQLGEMSLEEHSQCECRPKKKESA 139

Qy  132  VKPDRAATPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCR 191
         ||||                           ||| ||| |||| | ||||||
Db  140  VKPD----------------------------SPRILCPPCTQRRQRPDPRTCR 165

Qy  192  CRCRRRSFLRCQGRGLELNPDTCRCRKLRR 221
         |||||| || ||||||||||||||||| |:
Db  166  CRCRRRFLHCQGRGLELNPDTCRCRKPRK 195
```

RESULT 12
US-08-569-063C-7
; Sequence 7, Application US/08569063C
; Patent No. 5928939
; GENERAL INFORMATION:
;   APPLICANT: ERIKSSON, Ulf
;   APPLICANT: OLOFSSON, Birgitta
;   APPLICANT: ALITALO, Kari
;   APPLICANT: PAJUSOLA, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 23
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;   STREET: 1200 G Street, N.W., Suite 700
;   CITY: Washington
;   STATE: DC
;   COUNTRY: USA
;   ZIP: 20005
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/569,063C
;   FILING DATE: 06-DEC-1995
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/469,427
;   FILING DATE: 06-JUN-1995
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/397,651
;   FILING DATE: 01-MAR-1995

```
       ATTORNEY/AGENT INFORMATION:
              NAME: EVANS, Joseph D
              REGISTRATION NUMBER: 26,269
              REFERENCE/DOCKET NUMBER: 1064/41979CP3
       TELECOMMUNICATION INFORMATION:
              TELEPHONE: (202) 628-8800
              TELEFAX: (202) 628-8844
       INFORMATION FOR SEQ ID NO: 7:
       SEQUENCE CHARACTERISTICS:
              LENGTH: 195 amino acids
              TYPE: amino acid
              STRANDEDNESS: single
              TOPOLOGY: linear
              MOLECULE TYPE: protein
              HYPOTHETICAL: NO
       ORIGINAL SOURCE:
              TISSUE TYPE: adult mouse heart
US-08-569-063C-7
```

```
Query Match             63.2%;    Score 782.5; DB 2; Length 195;
Best Local Similarity   70.5%;    Pred. No. 1.2e-64;
Matches 148;  Conservative  6;  Mismatches 15; Indels 41; Gaps 2;

Qy   19  QAPVSQPDAPGHQRKVVSWIDVVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQRCG 78
         |||||  | |:||| |||| ||||||||||:::||| | ||||||||||||
Db   20  QAPVSQFDGPSHQKKVVPWIDVVYARATCQPREVVVPLSMELMGNVVKQLVPSCVTVQRCG 79

Qy   79  GCCPDDGLECVPTGQHQVRM------QILMIRYPSSQLGEMSLEEHSQCECRPKKKDSA 131
         ||||||||||||||||||||      |||:|||||||||||||||||||||||||:||
Db   80  GCCPDDGLECVPTGQHQVRMQVPGMGQILMIQYPSSQLGEMSLEEHSQCECRPKKKESA 139

Qy  132  VKPDRAATPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRPLCPRCTQHHQCPDPRTCR 191
         ||||                           ||| ||| |||| | ||||||
Db  140  VKPD----------------------------SPRILCPPCTQRRQRPDPRTCR 165

Qy  192  CRCRRRSFLRCQGRGLELNPDTCRCRKLRR 221
         |||||| || ||||||||||||||||| |:
Db  166  CRCRRRFLHCQGRGLELNPDTCRCRKPRK 195
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RESULT 13
US-08-609-443B-13
; Sequence 13, Application US/08609443B
; Patent No. 5840693
; GENERAL INFORMATION:
;   APPLICANT: ERIKSSON, Ulf
;   APPLICANT: OLOFSSON, Birgitta
;   APPLICANT: ALITALO, Kari
;   APPLICANT: PAJUSOLA, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 57
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;   STREET: 1200 G Street, N.W., Suite 700
;   CITY: Washington
;   STATE: DC
;   COUNTRY: USA
;   ZIP: 20005
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/609,443B
;   FILING DATE: 01-MAR-1996
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/397,651
;   FILING DATE: 01-MAR-1995
;   PRIOR APPLICATION DATA:

```
      APPLICATION NUMBER: US 08/469,427
      FILING DATE: 06-JUN-1995
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/569,063
      FILING DATE: 06-DEC-1995
   ATTORNEY/AGENT INFORMATION:
      NAME: EVANS, Joseph D
      REGISTRATION NUMBER: 26,269
      REFERENCE/DOCKET NUMBER: 1064/41979CP4
   TELECOMMUNICATION INFORMATION:
      TELEPHONE: (202) 628-8800
      TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 13:
   SEQUENCE CHARACTERISTICS:
      LENGTH: 207 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
   MOLECULE TYPE: protein
   ORIGINAL SOURCE:
      TISSUE TYPE: mouse
US-08-609-443B-13

Query Match          58.5%;    Score 724;  DB 2;  Length 207;
Best Local Similarity 85.2%;   Pred. No. 2.8e-59;
Matches 132;   Conservative  7;  Mismatches 14;  Indels  2;  Gaps  1;

Qy  19 QAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVTVQRCG 78
Db  20 QAPVAQFDGPSHQKKVPWIDVYARATCQPREVVVPLSMELMGNVVKQLVPSCVTVQRCG 79

Qy  79 GCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDRAA 138
Db  80 GCCPDDGLECVPTGQHQVRMQILMIQYPSSQLGEMSLEEHSQCECRPKKKESAVKPDRVA 139

Qy 139 TPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRP 173
Db 140 IPHHRPQPRSVPGWDSTPGASSPADII--HPTPAP 172

RESULT 14
US-08-569-063C-13
; Sequence 13, Application US/08569063C
Patent No. 5928939
; GENERAL INFORMATION:
   APPLICANT: ERIKSSON, Ulf
   APPLICANT: OLOFSSON, Birgitta
   APPLICANT: ALITALO, Kari
   APPLICANT: PAJUSOLA, Katri
   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
   TITLE OF INVENTION: DNA CODING THEREFOR
   NUMBER OF SEQUENCES: 23
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
      STREET: 1200 G Street, N.W., Suite 700
      CITY: Washington
      STATE: DC
      COUNTRY: USA
      ZIP: 20005
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.0, Version #1.25
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/569,063C
      FILING DATE: 06-DEC-1995
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/469,427
      FILING DATE: 06-JUN-1995
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/397,651
      FILING DATE: 01-MAR-1995
```

```
   ATTORNEY/AGENT INFORMATION:
      NAME: EVANS, Joseph D
      REGISTRATION NUMBER: 26,269
      REFERENCE/DOCKET NUMBER: 1064/41979CP3
   TELECOMMUNICATION INFORMATION:
      TELEPHONE: (202) 628-8800
      TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 13:
   SEQUENCE CHARACTERISTICS:
      LENGTH: 207 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
   MOLECULE TYPE: protein
   ORIGINAL SOURCE:
      TISSUE TYPE: mouse
US-08-569-063C-13

Query Match          58.5%;    Score 724;  DB 2;  Length 207;
Best Local Similarity 85.2%;   Pred. No. 2.8e-59;
Matches 132;   Conservative  7;  Mismatches 14;  Indels  2;  Gaps  1;

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Qy 139 TPHHRPQPRSVPGWDSAPGAPSPADITQSHSSPRP 173
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RESULT 15
US-08-469-427A-9
; Sequence 9, Application US/08469427A
Patent No. 5607918
; GENERAL INFORMATION:
   APPLICANT: Eriksson, Ulf
   APPLICANT: Olofsson, Birgitta
   APPLICANT: Alitalo, Kari
   APPLICANT: Pajusola, Katri
   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
   TITLE OF INVENTION: DNA CODING THEREFOR
   NUMBER OF SEQUENCES: 17
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
      STREET: 1200 G Street, N.W., Suite 700
      CITY: Washington
      STATE: DC
      ZIP: 20005
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.0, Version #1.25
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/469,427A
      FILING DATE: 06-JUN-1995
      CLASSIFICATION: 435
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/397,651
      FILING DATE: 01-MAR-1995
   ATTORNEY/AGENT INFORMATION:
      NAME: Evans, Joseph D
      REGISTRATION NUMBER: 26,269
      REFERENCE/DOCKET NUMBER: 41979cp2
   TELECOMMUNICATION INFORMATION:
      TELEPHONE: (202) 628-8800
      TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 9:
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        SEQUENCE CHARACTERISTICS:
            LENGTH:  133 amino acids
            TYPE:  amino acid
            STRANDEDNESS:  single
            TOPOLOGY:  linear
        MOLECULE TYPE:  protein
US-08-469-427A-9


Query Match        43.9%;    Score 543;  DB 1;  Length 133;
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Db     20 QAPVSQFDGPSHQKKVVPWIDVYARATCQPREVVVPLSMELMGNVVKQLVPSCVTVQRCG 79

Qy     79 GCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKK 128
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Job time: 122 sec
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OM nucleic - nucleic search, using sw model

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                 GenCore version 4.5
          Copyright (c) 1993 - 2000 Compugen Ltd.
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Run on: June 11, 2001, 23:10:41 ; Search time 67.03 seconds
                                           (without alignments)
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Title: US-09-033-662-1
Perfect score: 666
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Scoring table: IDENTITY_NUC
                 Gapop 10.0 , Gapext 1.0

Searched: 302621 seqs, 87301344 residues

Total number of hits satisfying chosen parameters: 605242

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :   Issued_Patents_NA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query % Match	Match Length	DB	ID	Description
1	555.4	83.4	624	2	US-08-609-443B-14	Sequence 14, Appl
2	555.4	83.4	624	2	US-08-569-063C-14	Sequence 14, Appl
3	464.4	69.7	624	2	US-08-609-443B-12	Sequence 12, Appl
4	464.4	69.7	624	2	US-08-569-063C-12	Sequence 12, Appl
5	400.6	60.2	570	1	US-08-469-427A-10	Sequence 10, Appl
6	400.6	60.2	570	2	US-08-609-443B-10	Sequence 10, Appl
7	400.6	60.2	570	2	US-08-569-063C-10	Sequence 10, Appl
8	316	47.4	565	2	US-08-469-427A-4	Sequence 4, Appl
9	316	47.4	565	2	US-08-609-443B-4	Sequence 4, Appli
10	316	47.4	565	2	US-08-569-063C-4	Sequence 4, Appl
11	285	42.8	591	1	US-08-469-427A-6	Sequence 6, Appl
12	285	42.8	591	2	US-08-609-443B-6	Sequence 6, Appli
13	285	42.8	591	2	US-08-569-063C-6	Sequence 6, Appli
14	277.8	41.7	405	1	US-08-469-427A-8	Sequence 8, Appl
15	277.8	41.7	405	2	US-08-609-443B-8	Sequence 8, Appl
16	277.8	41.7	405	2	US-08-569-063C-8	Sequence 8, Appli
17	268.4	40.3	886	1	US-08-469-427A-1	Sequence 1, Appl
18	268.4	40.3	886	2	US-08-609-443B-1	Sequence 1, Appli
19	268.4	40.3	886	2	US-08-569-063C-1	Sequence 1, Appl
20	92.2	13.8	456	5	PCT-US95-10973A-88	Sequence 88, Appl
21	92.2	13.8	467	5	PCT-US95-10973A-86	Sequence 86, Appl
22	92.2	13.8	473	3	US-08-718-904-1	Sequence 1, Appli
23	92.2	13.8	473	5	PCT-US95-10973A-25	Sequence 25, Appl
24	92.2	13.8	498	6	5194596-20	Patent No. 5194596
25	92.2	13.8	516	3	US-08-784-551C-1	Sequence 1, Appli
26	92.2	13.8	599	5	PCT-US95-10973A-87	Sequence 87, Appl
27	92.2	13.8	599	5	PCT-US95-10973A-89	Sequence 89, Appl
28	92.2	13.8	605	3	US-08-718-904-2	Sequence 2, Appl
29	92.2	13.8	605	5	PCT-US95-10973A-26	Sequence 26, Appl
30	92.2	13.8	648	4	US-08-586-039B-48	Sequence 48, Appl
31	92.2	13.8	774	4	US-08-765-340-1	Sequence 1, Appl
32	92.2	13.8	989	6	5332671-11	Patent No. 5332671
33	92.2	13.8	990	3	US-08-567-200A-1	Sequence 1, Appl
34	92.2	13.8	990	3	US-08-691-794-1	Sequence 1, Appl
35	92.2	13.8	1167	5	PCT-US95-10973A-57	Sequence 57, Appl
36	92.2	13.8	1195	6	5240848-6	Patent No. 5240848
37	92.2	13.8	1212	5	PCT-US95-10973A-31	Sequence 31, Appl
38	92.2	13.8	1269	5	PCT-US95-10973A-32	Sequence 32, Appl
39	92.2	13.8	1299	5	PCT-US95-10973A-58	Sequence 58, Appl
40	92.2	13.8	1369	5	PCT-US95-10973A-33	Sequence 33, Appl
41	92.2	13.8	1557	5	PCT-US95-10973A-78	Sequence 78, Appl
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43	90.8	13.6	677	3	US-08-718-904-3	Sequence 3, Appli
44	90.8	13.6	677	5	PCT-US95-10973A-27	Sequence 27, Appl
45	90.8	13.6	728	3	US-08-718-904-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-08-609-443B-14

; Sequence 14, Application US/08609443B
; Patent No. 5840693
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: OLOFSSON, Birgitta
; APPLICANT: ALITALO, Kari
; APPLICANT: PAJUSOLA, Katri
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
; TITLE OF INVENTION: DNA CODING THEREFOR
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
; STREET: 1200 G Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/609,443B
; FILING DATE: 01-MAR-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/397,651
; FILING DATE: 01-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/469,427
; FILING DATE: 06-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/569,063
; FILING DATE: 06-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: EVANS, Joseph D
; REGISTRATION NUMBER: 26,269
; REFERENCE/DOCKET NUMBER: 1064/41979CP4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-8800
; TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 624 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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MOLECULE TYPE: cDNA
ORIGINAL SOURCE:
TISSUE TYPE: human
US-08-609-443B-14

Query Match         83.4%;  Score 555.4;  DB 2;  Length 624;
Best Local Similarity 98.8%;  Pred. No. 1.7e-124;
Matches 570;  Conservative 0;  Mismatches 6;  Indels 6;  Gaps 1;

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Qy  106 TCATGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCCGGGAGGTGGTGTGCCCTTG 165
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Db  588 CGCCCGCAGCTTCCTCCGTTGCCAAGGGCGGGGCTTAG 624
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RESULT 2

US-08-569-063C-14

Sequence 14, Application US/08569063C

Patent No. 5928939

GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible

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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,063C
FILING DATE: 06-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/41979CP3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 624 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORIGINAL SOURCE:
TISSUE TYPE: human
US-08-569-063C-14

Query Match         83.4%;  Score 555.4;  DB 2;  Length 624;
Best Local Similarity 98.8%;  Pred. No. 1.7e-124;
Matches 570;  Conservative 0;  Mismatches 6;  Indels 6;  Gaps 1;

Qy   46 GTCCCGCCCAGGCCCCTGTCTCCCAGCCTGATGCCCCTGGCCACCAGAGGAAAGTGGTG 105
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Db  109 TCATGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCCGGGAGGTGGTGTGCCCTTG 168

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Db  229 CGCTGTGGTGGCTGCTGCCCTGACGATGGCCTGGAGTGTGCCCACTGGGCAGCACCAA 288

Qy  286 GTCCGGATGCAGATCCTCATGATCCGGTACCCGAGCAGTCAGT GGGGAGATGTCCCTG 345
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Db  289 GTCCGGATGCAGATCCTCATGATCCGGTACCCGAGCAGTCAGTCAGTGGGGAGATGTCCCTG 348

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Qy  406 AGGGCTGCTACTCCCCACCACCGTCCCAGCTGACATCACCCAATCCACTCCGGGACTCTGCC 465
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Db  409 AGGGCTGCCACCTCCCCACCACCGTCCCAGCTGACATCACCC-ATCCACTCCGGGACTCTGCC 468

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Qy  526 CCACGCTGCACCCAGCACCACCAGTGCCCTGACCCCGACCTGCGCGTCGCGTGTCGA 585
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IS AVAILABLE COPY

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Db  172 ATGGAACTCATGGCAATGTGGTCAAACAACTAGTGCCCAGCTGTGTGACTGTGCAGCGC 231

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Db  352 GAACAGCCAATGTGAATGCAGACCAAAAAAAAGGAGAGTGCTGTGAAGCCAGACAGG 411

Qy  409 GCTGCTACTCCCCACCACCGTCCCCAGCCCCGTTCGTTCCGCCCGGGACTCTGCCCCC 468
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Db  412 GTTGCCATACCCCCACCACCGTCCCCAGCCCGTCTCGTTCCGGCCGGGACTCTCACCCCG 471

Qy  469 GGAGCACCTCCCCAGCTGACAATCACCAATCCACTCCAGCCCCTGCCCTGTCCGCCA 528
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Db  472 GGAGCATCCTCCCCAGCTGACATCATCATCC-ATCCCACTCCAGCGGATCCTCTGCCCCG 530

Qy  529 CGCTGCACCCAGCACCACCAGTGCCCTGACCCCCGGACCTGCCGCTGCCCGTGTCAGCGC 588
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Db  531 CCTTGCACCCAGCGCCGTCAACGCCCTGACCCCCGGACCCTGCCGGCTGCCCGAGAGCGC 590

Qy  589 CGCAGCTTCCTCCGTTGTCAAGGGCGGGGCTTAG 622
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Db  591 CGCCGCTTCCTCCATTGCCAAGGGCGGGGGCTTAG 624
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RESULT 4
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; Sequence 12, Application US/08569063C
; Patent No. 5928939
; GENERAL INFORMATION:
;   APPLICANT: ERIKSSON, Ulf
;   APPLICANT: OLOFSSON, Birgitta
;   APPLICANT: ALITALO, Kari
;   APPLICANT: PAJUSOLA, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 23
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;   STREET: 1200 G Street, N.W., Suite 700
;   CITY: Washington
;   STATE: DC
;   COUNTRY: USA
;   ZIP: 20005
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/569,063C
;   FILING DATE: 06-DEC-1995
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/469,427
;   FILING DATE: 06-JUN-1995
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/397,651
;   FILING DATE: 01-MAR-1995
;   ATTORNEY/AGENT INFORMATION:
;   NAME: EVANS, Joseph D
;   REGISTRATION NUMBER: 26,269
;   REFERENCE/DOCKET NUMBER: 1064/41979CP3
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (202) 628-8800
;   TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 12:
;   SEQUENCE CHARACTERISTICS:

RESULT 3
; US-08-609-443B-12
; Sequence 12, Application US/08609443B
; Patent No. 5840693
; GENERAL INFORMATION:
;   APPLICANT: ERIKSSON, Ulf
;   APPLICANT: OLOFSSON, Birgitta
;   APPLICANT: ALITALO, Kari
;   APPLICANT: PAJUSOLA, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 57
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;   STREET: 1200 G Street, N.W., Suite 700
;   CITY: Washington
;   STATE: DC
;   COUNTRY: USA
;   ZIP: 20005
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/609,443B
;   FILING DATE: 01-MAR-1996
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/397,651
;   FILING DATE: 01-MAR-1995
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/469,427
;   FILING DATE: 06-JUN-1995
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/569,063
;   FILING DATE: 06-DEC-1995
;   ATTORNEY/AGENT INFORMATION:
;   NAME: EVANS, Joseph D
;   REGISTRATION NUMBER: 26,269
;   REFERENCE/DOCKET NUMBER: 1064/41979CP4
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (202) 628-8800
;   TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 12:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 624 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   HYPOTHETICAL: NO
;   ORIGINAL SOURCE:
;   TISSUE TYPE: mouse
US-08-609-443B-12

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Query Match             69.7%;  Score 464.4;  DB 2;  Length 624;
Best Local Similarity   89.2%;  Pred. No. 9.7e-103;
Matches   512;  Conservative    0;  Mismatches   61;  Indels    1;  Gaps    1;

Qy   49 CCGGCCCAGGCCCCTGTCTCCCAGCCTGATGCCCTGGCCACCAGAGGAAAGTGGTGTCA 108
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Db   52 CGCACCCCAGGCCCCTGTGTCCCAGTTTGATGGCCCCAGCCACCAGAAGAAAGTGGTGCCA 111

Qy  109 TGGATAGATGTGTATACTCGGCCTACCTGCCCAGCCCCGGGAGTGGTGGTCGCCCTTGACT 168
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Db  112 TGGATAGACGTTTATCCACGTGCCCAATGCCCAGCCGCCACCAGGGAGGTGGTGGTCGCTCTGAGC 171

Qy  169 GTGGAGCTCATGGCACCGTGCCCAAACAGCTGGTGCCCAGCTGCGTGCTGACTGTGCAGCGC 228
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LENGTH: 624 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ORIGINAL SOURCE:
  TISSUE TYPE: mouse
US-08-569-063C-12

Query Match     69.7%;  Score 464.4;  DB 2;  Length 624;
Best Local Similarity  89.2%;  Pred. No. 9.7e-103;
Matches 512;  Conservative  0;  Mismatches 61;  Indels 61;  Gaps 1;

Qy   49 CCCGCCCAGGCCCCTGTCTCCCAGCCTGATGCCCTGGCCACCAGAGGAAAGTGGTGTCA 108
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Db   52 CGCACCCAGGCCCCTGTGTCCCAGTTTGATGGCCCCAGCCACCAGAGAAAGTGTGCCA 111

Qy  109 TGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCGGGGAGGTGGTGGTGCCCTTGACT 168
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Db  112 TGGATAGACGTTTATGCACCTGCCACATGCCAGCCCAGGGAGGTGGTGGTGCCCTGAGC 171

Qy  169 GTGGAGCTCATGGGCACCGTGGCCAAACAGTGTGTGCCCAGCTGCCGTGCTGCCAGCGC 228
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Db  172 ATGGAACTCATGGGCAATGTGGTCAAACAACTAGTGCCCAGCTGTGTGACTGTGCCAGCGC 231

Qy  229 TGTGGTGGCTGCTGCCCTGACGATGGCGTGTGCCCACTGGGCCAGCACCAAGTC 288
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Db  232 TGTGGTGGCTGCTGCCCTGACGATGGCCTGGAATGTGTGCCCACTGGGCCAACACCAAGTC 291

Qy  289 CGGATGCAGATCCTCATGATCCGGTACCCGAGCAGTCAGCTGGGGGAGATGTCCCTGGAA 348
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Db  292 CGAATGCAGATCCTCATGATCCAGTACCCGAGCAGTCAGCTGGGGGAGATGTCCCTGGAA 351

Gap 1;

Db  349 GAACACAGCCAGTGTGAATGCAGACCTAAAAAAAGGACCAGTGCTGTGAAGCCAGACAGG 408
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Db  352 GAACACAGCCAATGTGAATGCAGACCAAAAAAAAAGGAGAGTGCTGTGTGAAGCCAGACAGG 411

Qy  409 GCTGCTACTCCCCACCACCGTCCCCAGCCCGTTCGTTTCGGGCTGGGACTCTGCCCCC 468
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Db  412 GTTGCCATACCCCACCACCACCGTCCCCAGCCCGTCCCGCTCGTTTCGGGCTGGGACTCTACCCCG 471

Qy  469 GGAGCACCTCCCCAGCTGACATCACCCAGCCCCACTCCAGCCCCTCTGCCCA 528
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Db  472 GGAGCATCCTCCCCAGCTGACATCATCC-ATCCCACTCCACCCCAGGATCCTCTGCCCG 530

Qy  529 CGCTGCACCCAGCACACCAGTGCCCTGACCCCGGCGGGGGCTTAG 588
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Db  531 CCTTGCACCCAGCGCGGGGCCGTCAACGCCGTGACCCCCGGACCCTGCCGCTGCCGCGACGCC 590

Qy  589 CGCAGCTTCCTCCCGTTGTCAAGGGCGGGGGCTTAG 622
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Db  591 CGCCGCTTCCTCCATTGCCAAGGGCGGGGGCTTAG 624
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ZIP: 20005
COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/08/469,427A
  FILING DATE: 06-JUN-1995
  CLASSIFICATION: 435
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 08/397,651
  FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
  NAME: Evans, Joseph D
  REGISTRATION NUMBER: 26,269
  REFERENCE/DOCKET NUMBER: 41979cp2
TELECOMMUNICATION INFORMATION:
  TELEPHONE: (202) 628-8800
  TELEFAX:  (202) 628-8844
INFORMATION FOR SEQ ID NO: 10:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 570 base pairs
    TYPE: nucleic acid
    STRANDEDNESS: single
    TOPOLOGY: linear
  MOLECULE TYPE: cDNA
  HYPOTHETICAL: NO
  ORIGINAL SOURCE:
    TISSUE TYPE: human fibrosarcoma
US-08-469-427A-10

Query Match     60.2%;  Score 400.6;  DB 1;  Length 570;
Best Local Similarity  82.9%;  Pred. No. 1.7e-87;
Matches 515;  Conservative  0;  Mismatches 4;  Indels 102;  Gaps 1;

Qy   46 GTCCCCGCCCAGGCCCCTGTCTCCCAGCCTGATGCCCTGGCCACCAGAGGAAAGTGGTG 105
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Db   52 GCCCCCGCCCAGGCCCCTGTGTCCCAGCCTGATGCCCTGGCCACCAGAGAAAGTGGTG 111

Qy  106 TCATGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCGGGGAGGTGGTGGTGCCCTTG 165
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Db  112 TCATGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCGGGGAGGTGGTGGTGCCCTTG 171

Qy  166 ACTGTGGAGCTCATGGGCACCGTGGCCAAACAGTCGGTGCCCAGCTGCCGTGCTGCCAG 225
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  172 ACTGTGGAGCTCATGGGCACCGTGGCCAAACAGTCGGTGCCCAGCTGCCGTGCTGCCAG 231

Qy  226 CGCTGTGGTGGCTGCTGCCCTGACGATGGCGTGTGCCCACTGGTGTGCCCACTGCCACCAA 285
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  232 CGCTGTGGTGGCTGCTGCCCTGACGATGGCGTGTGCCCACTGGTGTGCCCACTGCCACCAA 291

Qy  286 GTCCGGATGCAGAGATCCTCATGATCCGGTACCCGAGCAGTCAGCTGGGGGAGATGTCCCTG 345
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  292 GTCCGGATGCAGAGATCCTCATGATCCGGTACCCGAGCAGTCAGCTGGGGGAGATGTCCCTG 351

Qy  346 GAAGAACACAGCCAGTGTGAATGCAGACACTTAAAAAAAGGACAGTGCTGTGAAGCCAGAC 405
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  352 GAAGAACACAGCCAGTGTGAATGCAGACACTTAAAAAAAGGACAGTGCTGTGAAGCCAGA- 410

Qy  406 AGGGCTGCTACTCCCCACCACCGTCCCCAGCCCCGTTCGTTTCCGGGCTGGGACTCTGCC 465
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Qy  466 CCCGGAGCACCTCCCCAGCTGACATCACCCAATCACCCAATCCCACTCCACTCCAGCCCCTCGCTCTGC 525
         |||||||||||||||||||||||||||
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Qy  526 CCACGCTGCACCCAGCACACCAGTGCCCTGACCCCGGACCCTGCCGCTGCCGCGTGTCGA 585
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Db  430 CCACGCTGCACCCAGCACACCAGCGCCCTGACCCCGGACCCTGCCGCTGCCGCGACTGCCGA 489
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RESULT 15
US-08-469-427A-10
Sequence 10, Application US/08469427A
Patent No. 5607918

GENERAL INFORMATION:
  APPLICANT: Eriksson, Ulf
  APPLICANT: Olofsson, Birgitta
  APPLICANT: Alitalo, Kari
  APPLICANT: Pajusola, Katri
  TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
  TITLE OF INVENTION: DNA CODING THEREFOR
  NUMBER OF SEQUENCES: 17
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
    STREET: 1200 G Street, N.W., Suite 700
    CITY: Washington
    STATE: DC

Qy   106 TCATGGATAGATGTGTATACTCGGCGCTACCTGCCAGCTGCCAGCAGCCCGGAGGTGGTGGTGCGCCTTG 165
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   112 TCATGGATAGATGTGTATACTCGGCGCTACCTGCCAGCTGCCAGCAGCCCGGAGGTGGTGGTGCGCCTTG 171

Qy   166 ACTGTGGAGCTCATGGCACCGTGGCCAAACAGCTGGTGCCAGCTGTGCGCTGACTGTGCAG 225
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Db   172 ACTGTGGAGCTCATGGCACCGTGGCCAAACAGCTGGTGCCAGCTGTGCGCTGACTGTGCAG 231

Qy   226 CGCTGTGGTGGCTGCTGCCCTGACGATGGCCTGGTGTGCCCACTGGGCAGCAGCACCAA 285
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Db   232 CGCTGTGGTGGCTGCTGCCCTGACGATGGCCTGGTGTGCCCACTGGGCAGCAGCACCAA 291

Qy   286 GTCCGGATGCAGATCCTCATGATCCGGTACCCGGTACCCGGTGGGGGAGATGTCCCTG 345
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Db   292 GTCCGGATGCAGATCCTCATGATCCGGTACCCGGTACCCGGTGGGGGAGATGTCCCTG 351

Qy   346 GAAGAACACAGCCAGTGTGAATGCAGACCTAAAAAAAGGACAGTGCTGTGAAGCCAGAC 405
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   352 GAAGAACACAGCCAGTGTGAATGCAGACCTAAAAAAAGGACAGTGCTGTGAAGCCAGA- 410

Qy   406 AGGGCTGCTACTCCCCACCACCGTCCCCAGCCCCGTTCGTTCGTTCCGGGCTGGGACTCTGCC 465

Db   411 -- 410

Db   411 CCCGGAGCACCCTCCCCAGCTGACATCACCAATCCCACTCCACCCCAGCCCCCCCTGC 525
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Db   411 -----------------------------------CAGCCCCAGCCCCCTGC 429

Qy   526 CCACGCTGCACCAGCACCACCAGTGCCCTGACCCCCGGACCTGCCGCGTGCGTGTCGA 585
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Db   430 CCACGCTGCACCAGCACCACCAGTGCCCTGACCCCCGGACCTGCCGCGTGCGCCGGA 489

Qy   586 CGCCGCAGCTTCCTCCGTTGTCAAGGGCGGGGGCTTAGAGCTCAACCCAGACACCTGCAGG 645
             |||||||||||||||||| |||||||||||||||||||||||||||||||||||||||||
Db   490 CGCCGCAGCTTCCTCCGTTGTCCAAGGGCGGGGGCTTAGAGCTCAACCCAGACACCTGCAGG 549

Qy   646 TGCCGGAAGCTGCGAAGGTGA 666
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Db   550 TGCCGGAAGCTGCGAAGGTGA. 570

RESULT 7
US-08-569-063C-10
; Sequence 10, Application US/08569063C
; Patent No. 5928939
; GENERAL INFORMATION:
;   APPLICANT: ERIKSSON, Ulf
;   APPLICANT: OLOFSSON, Birgitta
;   APPLICANT: ALITALO, Kari
;   APPLICANT: PAJUSOLA, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 23
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;   STREET: 1200 G Street, N.W., Suite 700
;   CITY: Washington
;   STATE: DC
;   COUNTRY: USA
;   ZIP: 20005
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/569,063C
;   FILING DATE: 06-DEC-1995
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/469,427
;   FILING DATE: 06-JUN-1995
;   PRIOR APPLICATION DATA:

Qy   586 CGCCGCAGCTTCCTCCGTTGTCAAGGGCGGGGGCTTAGAGCTCAACCCAGACACCTGCAGG 645
             |||||||||||||||||| |||||||||||||||||||||||||||||||||||||||||
Db   490 CGCCGCAGCTTCCTCCGTTGTCCAAGGGCGGGGGCTTAGAGCTCAACCCAGACACCTGCAGG 549

Qy   646 TGCCGGAAGCTGCGAAGGTGA 666
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Db   550 TGCCGGAAGCTGCGAAGGTGA. 570

RESULT 6
US-08-609-443B-10
; Sequence 10, Application US/08609443B
; Patent No. 5840693
; GENERAL INFORMATION:
;   APPLICANT: ERIKSSON, Ulf
;   APPLICANT: OLOFSSON, Birgitta
;   APPLICANT: ALITALO, Kari
;   APPLICANT: PAJUSOLA, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 57
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;   STREET: 1200 G Street, N.W., Suite 700
;   CITY: Washington
;   STATE: DC
;   COUNTRY: USA
;   ZIP: 20005
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/609,443B
;   FILING DATE: 01-MAR-1996
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/397,651
;   FILING DATE: 01-MAR-1995
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/469,427
;   FILING DATE: 06-JUN-1995
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/569,063
;   FILING DATE: 06-DEC-1995
;   ATTORNEY/AGENT INFORMATION:
;   NAME: EVANS, Joseph D
;   REGISTRATION NUMBER: 26,269
;   REFERENCE/DOCKET NUMBER: 1064/41979CP4
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (202) 628-8800
;   TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 10:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 570 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   HYPOTHETICAL: NO
;   ORIGINAL SOURCE:
;   TISSUE TYPE: human fibrosarcoma
US-08-609-443B-10

Query Match   60.2%; Score 400.6; DB 2; Length 570;
Best Local Similarity   82.9%; Pred. No. 1.7e-87;
Matches 515; Conservative   0; Mismatches   4; Indels 102; Gaps 1;

Qy   46 GTCCGCCCCAGGCCCCTGTCTCCAGCCTGATGCCCCTGGCCACCGAGGAAAGTGGTG 105
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Db   52 GCCCCGCCCCAGGCCCCGTGTCTCCCAGCCTGATGCCCCTGGCCACCGAGGAAAGTGGTG 111

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;  Sequence 4, Application US/08469427A
;  Patent No. 5607918
;  GENERAL INFORMATION:
;    APPLICANT:  Eriksson, Ulf
;    APPLICANT:  Olofsson, Birgitta
;    APPLICANT:  Alitalo, Kari
;    APPLICANT:  Pajusola, Katri
;    TITLE OF INVENTION:  VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;    TITLE OF INVENTION:  DNA CODING THEREFOR
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Evenson, Mckeown, Edwards & Lenahan
;      STREET:  1200 G Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  DC
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/469,427A
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/397,651
;      FILING DATE:  01-MAR-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Evans, Joseph D
;      REGISTRATION NUMBER:  26,269
;      REFERENCE/DOCKET NUMBER:  41979cp2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 628-8800
;      TELEFAX:  (202) 628-8844
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  565 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      TISSUE TYPE:  adult mouse heart
US-08-469-427A-4
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Query Match            47.4%;  Score 316;  DB 1;  Length 565;
Best Local Similarity  74.6%;  Pred. No. 2.9e-67;
Matches  461;  Conservative   0;  Mismatches  55;  Indels 102;  Gaps  1;

Qy    49  CCCGCCCAGGCCCCTGTCTCCCAGCCTGATGCCCCTGGCCACCAGAGGAAAGTGGTGTCA 108
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Db    50  CGCACCCCAGGCCCCTGTGTCCCAGTTTGATGCCCCAGCCCAGCAGCACCAGAGAAAGTGGTGCCA 109

Qy   109  TGGATAGATGTGTATACTCGCGCTACCTGCCAGCCCCGGGAGGTGGTGGTCCCCTTGACT 168
              ||||||| ||| |||| ||||| | ||  | ||||||||||||| ||| |||
Db   110  TGGATAGACGTTTATGCACGTGCCACATGCCAGCCCCAGGGAGGTGGTGGTCCTCTGAGC 169

Qy   169  GTGGAGCTCATGGGCACCGTGGCCAAACAGCTGGTGCCCAGCTGCCCAGCTGTGTGACTGCAGCGC 228
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Db   170  ATGGAACTCATGGGCCAATGTGTCAAACAACTAGTGCCCAGCTGTGTGACTGTGACTGCAGCGC 229

Qy   229  TGTGGTGGCTGCTGCCCTGACGATGGCCTGAGTGTGTGCCCACTGGGCAGCACCACCAAGTC 288
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Db   230  TGTGGTGGCTGCTGCCCTGACGATGGCCTGGAATGTGCCCACTGGGCAACACCAAGTC 289

Qy   289  CGGATGCAGATCCTCATGATCCGGTACCCGAGCAGTCAGTCAGTGCCCTGGAA 348
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Db   290  CGAATGCAGATCCTCATGATCCAGTACCCGAGCAGTCAGTGCCCTGGAA 349

Qy   349  GAACACCAGCCAGTGTGAATGCAGACCTAAAAAAAAGGACAGTGCTGTGAAGCCAGACAGG 408
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    TOPOLOGY: linear
    MOLECULE TYPE: cDNA
    HYPOTHETICAL: NO
    ORIGINAL SOURCE:
      TISSUE TYPE: adult mouse heart
US-08-609-443B-4

Query Match          47.4%;  Score 316; DB 2;  Length 565;
Best Local Similarity 74.6%;  Pred. No. 2.9e-67;
Matches 461; Conservative  0; Mismatches  55; Indels 102; Gaps  1;

Qy     49 CCGCCCAGCCCTGTCTCCCAGCCTGATGCCCTGCCACCCAGCAGGAAAGTGGTGTCA 108
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Db     50 CGCACCCAGCCCCTGTCTCCCAGTTGATGGCCCCAGCAGCCCAGCAGGAAGAAAGTGGTGCCA 109

Qy    109 TGGATAGATGTGTATACTCGCGTCTACCTGCCTACCTGGGAGGTGGTGGCCCCTTGACT 168
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Db    110 TGGATAGACGTTTATGCACGTGCCACATGCCAGCCCAGCAGGAGGTGGTGCCCTCTGAGC 169

Qy    169 GTGGAGCTCATGGGCACCGTGGCCAAACAGTGGTGCCGTGACTGTGCAGCGC 228
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Db    170 ATGGAACTCATGGGCAATGTGGTCAAACAACTAGTGCCACTAGTGCTGCAGCGC 229

Qy    229 TGTGGTGGCTGCTGCCCTGACGATGGCCTGAGTGTGCCCACTGGGCAGCACCAAGTC 288
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Db    230 TGTGGTGGCTGCTGCCCTGACGATGGCCTGGAATGTGTGCCCACTGGGCAACACCAAGTC 289

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Qy    349 GAACAGCCAGTGTGAATGCAGACCTAAAAAAAGGACAGTGCTGTGAAGCAGACAGG 408
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Db    350 GAACACAGCCAATGTGAATGCAGACCAAAAAAAAGGAGAGTGCTGTGAAGCCAGA----- 405

Qy    409 GCTGCTACTCCCCACCACCGTCCCCACCGTTCGTGTTCCGGGTGGGACTCTGCCCCC 468
          || ------------------------------------
Db    406 -------------------------------------------------------------- 405

Qy    469 GGAGCACCTCCCCAGCTGACATCACCAATCCACTCCAGCCCCCTCCCCCTGCCCA 528
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Db    406 --------------------------------CAGCCCCAGGATCCTCTGCCCCG 427

Qy    529 CGCTGCACCCAGCACCACCAGTGCCCTGACCCCGGACCTGCCGCTGTCGACGC 588
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Db    428 CCTTGCACCCAGCCGTCAACGCCCTGACCCCGCGACCTGCCGCTGCCGAGACGC 487

Qy    589 CGCAGCTTCCTCCGTTGTCAAGGGCGGGGCTTAGAGCTCAACCCAGACACCTGCAGGTGC 648
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Db    488 CGCCCGCTTCCTCCATTGCCAAGGGCGGGGCTTAGAGCTCAACCCAGACACCTGTAGGTGC 547

Qy    649 CGGAAGCTGCGAAGGTGA 666
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Db    548 CGGAAGCCGCGAAAGTGA 565
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RESULT 10
US-08-569-063C-4
; Sequence 4, Application US/08569063C
; Patent No. 5928939
; GENERAL INFORMATION:
;   APPLICANT: ERIKSSON, Ulf
;   APPLICANT: OLOFSSON, Birgitta
;   APPLICANT: ALITALO, Kari
;   APPLICANT: PAJUSOLA, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 23
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;     STREET: 1200 G Street, N.W., Suite 700
;     CITY: Washington
```

Qy 529 CGCTGCACCCAGCACCACCAGTGCCCTGACCCCGACCTGCCGCGCTGCCGCTGTCGACGC 588
              |||||||| || || |||||||||| || ||||||||||||||||||||| |||||
Db 428 CCTGCACCCAGCGCCGTCAACGCCCTGACCCCGGACCTGCCGCTGCCGCTGCCAGACGC 487

Qy 589 CGCAGCTTCCTCCGTTGTCAAGGGCGGGCTTAGAGCTCAACCCAGCACCTGCCAGGTGC 648
              |||||||||||||| ||||| |||||| |||||||||||||||||||||||| ||||||
Db 488 CGCCGCCTTCCTCCATTGCCAAGGGCCGGGCTTAGAGCTCAACCCAGCACCTGTAGGTGC 547

Qy 649 CGGAAGCTGCGAAGGTGA 666
              |||||| ||||| ||||
Db 548 CGGAAGCCGCGAAAGTGA 565

RESULT 11
US-08-469-427A-6
; Sequence 6, Application US/08469427A
; Patent No. 5607918
; GENERAL INFORMATION:
;   APPLICANT: Eriksson, Ulf
;   APPLICANT: Olofsson, Birgitta
;   APPLICANT: Alitalo, Kari
;   APPLICANT: Pajusola, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 17
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
;   STREET: 1200 G Street, N.W., Suite 700
;   CITY: Washington
;   STATE: DC
;   ZIP: 20005
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/469,427A
;   FILING DATE: 06-JUN-1995
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/397,651
;   FILING DATE: 01-MAR-1995
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Evans, Joseph D
;   REGISTRATION NUMBER: 26,269
;   REFERENCE/DOCKET NUMBER: 41979cp2
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (202) 628-8800
;   TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 6:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 591 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   HYPOTHETICAL: NO
;   ORIGINAL SOURCE:
;   TISSUE TYPE: adult mouse heart
US-08-469-427A-6

Query Match   42.8%;   Score 285; DB 1; Length 591;
Best Local Similarity 72.1%; Pred. No. 7.5e-60;
Matches 461; Conservative 0; Mismatches 55; Indels 123; Gaps 2;

Qy   49 CCCGCCCAGGCCCCTGTCTCCAGCCTGATGCCCCTGGCCACCAGGAAAGTGGTGTCA 108
             ||||| ||||||||||| |||||| ||||| || |||||||||||||| ||||||||
Db   55 CGCACCCAGGCCCCTGTGTCCCAGTTTGATGGCCCCACCAGCCACCACCAGAGAAGTGGTGCCA 114

Qy 109 TGGATAGATGTGTATACTCGCGCTACCTGCGCCGCAGCCGCCAGCCGCCGGAGGTGGTGCCCTTGACT 168
              |||||||||| || || || ||||||||||||| |||||||
Db 109 TGGATAGACGTTTATGCACGTGCCACATGCCACCAGCCAGCCAGGAGGTGGTGCCTCTGAGC 427

STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
   MEDIUM TYPE: Floppy disk
   COMPUTER: IBM PC compatible
   OPERATING SYSTEM: PC-DOS/MS-DOS
   SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
   APPLICATION NUMBER: US/08/569,063C
   FILING DATE: 06-DEC-1995
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/469,427
   FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: US 08/397,651
   FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
   NAME: EVANS, Joseph D
   REGISTRATION NUMBER: 26,269
   REFERENCE/DOCKET NUMBER: 1064/41979CP3
TELECOMMUNICATION INFORMATION:
   TELEPHONE: (202) 628-8800
   TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 4:
   SEQUENCE CHARACTERISTICS:
   LENGTH: 565 base pairs
   TYPE: nucleic acid
   STRANDEDNESS: single
   TOPOLOGY: linear
   MOLECULE TYPE: cDNA
   HYPOTHETICAL: NO
   ORIGINAL SOURCE:
   TISSUE TYPE: adult mouse heart
US-08-569-063C-4

Query Match   47.4%;   Score 316; DB 2; Length 565;
Best Local Similarity 74.6%; Pred. No. 2.9e-67;
Matches 461; Conservative 0; Mismatches 55; Indels 102; Gaps 1;

Qy   49 CCCGCCCAGGCCCCTGTCTCCAGCCTGATGCCCCTGGCCACCAGGAAAGTGGTGTCA 108
             |- |||||||||||||||| |||||| || ||||||||| || ||||| ||||||||
Db   50 CGCACCCAGGCCCCTGTGTCCCAGTTTGATGGCCCCAGCCACCAGGAAGAAGTGGTGCCA 109

Qy 109 TGGATAGATGTGTATACTCGCGCTACCTGCGCCGCAGCCGCCAGCCGCCGGAGGTGGTGCCCTTGACT 168
              ||||||| | || || || ||||||||||||| |||||||||
Db 110 TGGATAGACGTTTATGCACGTGCCACATGCCACCAGCCAGCCAGGAGGTGGTGCCTCTGAGC 169

Qy 169 GTGGAGCTCATGGGCACCGTGGCCAAACAGCTGGTGCCAGCTGCCAGCGC 228
              |||| ||||||||||| || | ||||| || |||| ||| || | ||
Db 170 ATGGAACTCATGGGCAATGTGGTCAAACAACTAGTGCCCAGCTGTGTGACTGTGCAGCGC 229

Qy 229 TGTGGTGGCTGCTGCCCTGACGATGGCCTGGAGTGTGTGCCCACTGGGCAGCACCAAGTC 288
             ||||||||||||||||||||||||||||||| ||||||||||||||||| |||||||||||
Db 230 TGTGGTGGCTGCTGCCCTGACGATGGCCTGGAATGTGTGCCCACTGGGCAACACCAAGTC 289

Qy 289 CGGATGCAGATCCTCATGATCCGGTACCCCGAGCAGTCAGCTGCCCTGGGGGAGATGTCCCTGGAA 348
             || |||||||||||||||||| |||||||||||||||||||||||||||| |||||||||||||||
Db 290 CGAATGCAGATCCTCATGATCCAGTACCCCGAGCAGTCAGCTGCCCTGGGGAGATGTCCCTGGAA 349

Qy 349 GAACACAGCCAGTGAATGCAGAGACCTAAAAAAAAGGAGAGCAGTGCTGTGTGGAAGGACACAGG 408
             |||||||||| |||||||||||||| | ||||||||||||||||||||||| |||
Db 350 GAACACAGCCAATGAATGCAGAGACCAGAAAAAAAAGGAGAGCAGTGCTGTGAAGGCCAGA---- 405

Qy 409 GCTGCTACTCCCCACCACCGTCCCCAGCCCCGTTCGTTCCGGGCTGGGACTCTGCCCCC 468
Db 406 ------------------------------------...-------------------- 405

Qy 469 GGAGCACCCTCCCAGTGACATGCACCCAATCACCCACCTCCAGCCCCAGGCCCCTGCCCA 528
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Db 406 --------------------------------------CAGCCCCAGGATCCTCTGCCCG 427

PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US 08/569,063
    FILING DATE: 06-DEC-1995
ATTORNEY/AGENT INFORMATION:
    NAME: EVANS, Joseph D
    REFERENCE/DOCKET NUMBER: 1064/41979CP4
    REGISTRATION NUMBER: 26,269
TELECOMMUNICATION INFORMATION:
    TELEPHONE: (202) 628-8800
    TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 6:
    SEQUENCE CHARACTERISTICS:
    LENGTH: 591 base pairs
    TYPE: nucleic acid
    STRANDEDNESS: single
    TOPOLOGY: linear
    MOLECULE TYPE: cDNA
    HYPOTHETICAL: NO
    ORIGINAL SOURCE:
    TISSUE TYPE: adult mouse heart
US-08-609-443B-6

Query Match   42.8%;   Score 285;   DB 2;   Length 591;
Best Local Similarity 72.1%; Pred. No. 7.5e-60;
Matches 461;   Conservative   0;   Mismatches   55;   Indels 123;   Gaps   2;

```
Qy    49 CCGGCCCAGGCCCCTGCCCTGTCTCCCAGCCTGATGCCCCTGGCCACCAGAGGAGAAGTGTGTCA 108
         |||||||||||||| ||||||| ||||| |||   |||||||| |||||||| |||||||| |
Db    55 CGCACCCAGGCCCCTGTGTCCCAGTTGATGGCCCCAGCCAGCCAGCCAGGAAAGTGTGCCA 114

Qy   109 TGGATAGATGTTATACTCGCGTTACCTGCGCCACCATGCCCGGGAGGTGGTGGTGCCCTTGACT 168
         |||||| ||| || ||| | ||| || |||||||||||||||||||||||||||||||||||| ||
Db   115 TGGATAGACGTTTATGCACGTGCCACATGCCAGCCCAGCCCAGGGAGGTGGTGGTGCCCTCTGAGC 174

Qy   169 GTGGAGCTCATGGCACCGTGCCCAAACAGCTGGTGCCCAGCTGTGCAGCGC 228
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Db   175 ATGGAACTCATGGCAATGGTCAAACAACTAGTGCCCAGCTGTGCAGCGC 234

Qy   229 TGTGGTGCTGCTGCCCTGACGATGGCCTGGAGTGTGTGCCCACTGGGCAGCACCAAGTC 288
         ||||||||||||||||||||||||||||||| |||||||||||||||||||||| |||||||
Db   235 TGTGGTGGCTGCTGCCCTGACGATGTGCCCTGGAATGTGTGCCCACTGGGCAACACCAAGTC 294

Qy   289 CGGATG------------------CAGATCCTCATGATCCGGTACCCGAGCAGTCAG 327
         || ||                    |||||||||||||||||||||||||||||||||
Db   295 CGAATGCAGGTACCAGGGCCTATGGTCAGATCCTCATGATCCAGTACCCGAGCAGTCAG 354

Qy   328 CTGGGGGAGATGTCCCTGGAAGAACACAGCCAGTTCCTCCGGTTGTCAAGGGCGGGGCTTAGAGCTC 387
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   355 CTGGGGGAGATGTCCCTGGAAGAACACAGCCAATGTGAATGCAGACCAAAAAAAAAGGAG 414

Qy   388 AGTGCTGTGAAGCCAGACAGGCTGCTACTCCCCAGCCCGTTCTGTT 447
         ||||||||||||||||||||||||||
Db   415 AGTGCTGTGAAGCCAGA 431

Qy   448 CCGGGCTGGGACTCTGCCCCCGGAGCACCCTCCCCAGCTGACATCACCCAATCCCACTCC 507
         |||||||||||||||||||||||||||||||||||||||||||| |||||||||
Db   432 ------------------------------------------C 432

Qy   508 AGCCCCAGGCCCCTCTGCCCCAGCTGCACCACCAGTGCCCTGACCCCGGACC 567
         ||||||||| |||||||| ||||| ||  |||||||||||  ||||||||||||
Db   433 AGCCCCAGGATCCTCTGCCCCGGCCTTGCACCCGGGCCGTCAACGCCCTGACCCCGGACC 492

Qy   568 TGCCGCTGCCGCGTCGACGCCGCAGCTTCTCCGTTGTCAAGGGCGGGGCTTAGAGCTC 627
         |||||||||||| || ||||||| || |||||||||||||||||||||||||||||||
Db   493 TGCCGCTGCCGCGTGCAGAGCCGCGGCCGCCGTTCCTCCATTGCCCAAGGGCGGGGCTTAGAGCTC 552

Qy   628 AACCCAGACACCTGCCAGGTGCCGAAGCTGCGAAGGTGA 666
         ||||||||||||| |||||| |||| ||||| || ||||||
Db   553 AACCCAGACACCTGTAGGTGCCGAAGCCGCGAAAGTGA 591
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RESULT 13

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Db   115 TGGATAGACGTTTATGCACGTGCCACATGCCAGCCCAGCCCAGGGAGGTGGTGGTGCCCTCTGAGC 174

Qy   169 GTGGAGCTCATGGCACCGTGCCCAAACAGCTGGTGCCCAGCTGTGCAGCGC 228
         |||||||||||||| |||| |||||||||||| || ||||||||||||||||||
Db   175 ATGGAACTCATGGCAATGGTCAAACAACTAGTGCCCAGCTGTGCAGCGC 234

Qy   229 TGTGGTGCTGCTGCCCTGACGATGGCCTGGAGTGTGTGCCCACTGGGCAGCACCAAGTC 288
         ||||||||||||||||||||||||||||||| |||||||||||||||||||||| |||||||
Db   235 TGTGGTGGCTGCTGCCCTGACGATGTGCCCTGGAATGTGTGCCCACTGGGCAACACCAAGTC 294

Qy   289 CGGATG------------------CAGATCCTCATGATCCGGTACCCGAGCAGTCAG 327
         || ||                    |||||||||||||||||||||||||||||||||
Db   295 CGAATGCAGGTACCAGGGCCTATGGTCAGATCCTCATGATCCAGTACCCGAGCAGTCAG 354

Qy   328 CTGGGGGAGATGTCCCTGGAAGAACACAGCCAGTTCCTCCGGTTGTCAAGGGCGGGGCTTAGAGCTC 387
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   355 CTGGGGGAGATGTCCCTGGAAGAACACAGCCAATGTGAATGCAGACCAAAAAAAAAGGAG 414

Qy   388 AGTGCTGTGAAGCCAGACAGGCTGCTACTCCCCAGCCCGTTCTGTT 447
         ||||||||||||||||||||||||||
Db   415 AGTGCTGTGAAGCCAGA 431

Qy   448 CCGGGCTGGGACTCTGCCCCCGGAGCACCCTCCCCAGCTGACATCACCCAATCCCACTCC 507
         |||||||||||||||||||||||||||||||||||||||||||| |||||||||
Db   432 ------------------------------------------C 432

Qy   508 AGCCCCAGGCCCCTCTGCCCCAGCTGCACCACCAGTGCCCTGACCCCGGACC 567
         ||||||||| |||||||| ||||| ||  |||||||||||  ||||||||||||
Db   433 AGCCCCAGGATCCTCTGCCCCGGCCTTGCACCCGGGCCGTCAACGCCCTGACCCCGGACC 492

Qy   568 TGCCGCTGCCGCGTCGACGCCGCAGCTTCTCCGTTGTCAAGGGCGGGGCTTAGAGCTC 627
         |||||||||||| || ||||||| || |||||||||||||||||||||||||||||||
Db   493 TGCCGCTGCCGCGTGCAGAGCCGCGGCCGCCGTTCCTCCATTGCCCAAGGGCGGGGCTTAGAGCTC 552

Qy   628 AACCCAGACACCTGCCAGGTGCCGAAGCTGCGAAGGTGA 666
         ||||||||||||| |||||| |||| ||||| || ||||||
Db   553 AACCCAGACACCTGTAGGTGCCGAAGCCGCGAAAGTGA 591
```

RESULT 12
US-08-609-443B-6
; Sequence 6, Application US/08609443B
; Patent No. 5840693
GENERAL INFORMATION:
    APPLICANT: ERIKSSON, Ulf
    APPLICANT: OLOFSSON, Birgitta
    APPLICANT: ALITALO, Kari
    APPLICANT: PAJUSOLA, Katri
    TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
    TITLE OF INVENTION: DNA CODING THEREFOR
    NUMBER OF SEQUENCES: 57
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
    STREET: 1200 G Street, N.W., Suite 700
    CITY: Washington
    STATE: DC
    COUNTRY: USA
    ZIP: 20005
    COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/08/609,443B
    FILING DATE: 01-MAR-1996
    CLASSIFICATION: 435
    PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US 08/397,651
    FILING DATE: 01-MAR-1995
    PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US 08/469,427
    FILING DATE: 06-JUN-1995

```
US-08-569-063C-6
; Sequence 6, Application US/08569063C
; Patent No. 5928939
; GENERAL INFORMATION:
;   APPLICANT: ERIKSSON, Ulf
;   APPLICANT: OLOFSSON, Birgitta
;   APPLICANT: ALITALO, Kari
;   APPLICANT: PAJUSOLA, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 23
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;     STREET: 1200 G Street, N.W., Suite 700
;     CITY: Washington
;     STATE: DC
;     COUNTRY: USA
;     ZIP: 20005
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/569,063C
;     FILING DATE: 06-DEC-1995
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/469,427
;     FILING DATE: 06-JUN-1995
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/397,651
;     FILING DATE: 01-MAR-1995
;   ATTORNEY/AGENT INFORMATION:
;     NAME: EVANS, Joseph D
;     REGISTRATION NUMBER: 26,269
;     REFERENCE/DOCKET NUMBER: 1064/41979CP3
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (202) 628-8800
;     TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 6:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 591 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   HYPOTHETICAL: NO
;   ORIGINAL SOURCE:
;     TISSUE TYPE: adult mouse heart
US-08-569-063C-6

Query Match       42.8%; Score 285; DB 2; Length 591;
Best Local Similarity  72.1%; Pred. No. 7.5e-60;
Matches  461; Conservative   0; Mismatches  55; Indels 123; Gaps   2;

Qy    49 CCGCGCCAGGCGCCCTGCTCTCCCAGCCTGATGCCCCTGGCCACCCAGGAGGAAAGTGTGTCA 108
          |  |||||||||||||||| |||||| |||| |||||||  | |||||||||| |||||| ||
Db    55 CGCACCCAGGCCCCTGTGTCCCAGTTTGATGGCCCCAGCCACCCAGGAAGAAAGTGTGTGCCA 114

Qy   109 TGGATAGATGTGTATACTCCGCTACCTGCCAGCCCGGGAGGTCGTGGTGCCCTTGACT 168
          |||||||  ||||  ||| ||||| ||||||||||| |||||||||||| |||
Db   115 TGGATAGACGTTTATGCACGTGCCACATGCCAGCCCCAGGAGGTGTGGTGCCTCTGAGC 174

Qy   169 GTGGAGCTCATGGCACCGTGGCCAAACAGCTGGTGCCCAGCTGCTGACTGTGCAGCGC 228
          ||| |||||||| || |||||||||| | |||||| | ||||| |||||||| |||||||
Db   175 ATGGAACTCATGGGCAATGTGGTCAAACAACTAGTGCCCAGCTGTGTGACTGTGCAGCGC 234

Qy   229 TGTGGTGGCTGCTGCCCTGACGATGGCCTGAGTGTGCCCACTGTGCAGCACCCAAGTC 288
          |||||||||||||||||||||||||||||| ||||| ||||||||||| |||||||||
Db   235 TGTGGTGGCTGCTGCCCTGACGATGGCCTGGAATGTGTGCCCACTGGGCAACACCAAGTC 294

Qy   289 CGGATG------------CAGATCCTCATGATCGGTACCCGAGCAGTCAG 327
                           || |||
Db   295 CGAATGCAGGTACCAGGGCCTATGGGTCAGATCCTCATGATCCAGTACCCGAGCAGTCAG 354
                           |||||||||||||||||||||| ||||||||||||||||
Qy   328 CTGGGGAGATGTCCCTGGAAGAACACAGCCAGTGTGAATGCAGCCTAAAAAAAGGAC 387
          ||||||||||||||||||||||||||||||||||| |||||||||
Db   355 CTGGGGAGATGTCCCTGGAAGAACACAGCCAATGTGAATGCAGACAAAAAAAGGAG 414

Qy   388 AGTGCTGTGAAGCAGACAGGGCTGCTACTCCCCACCACCGTCCCAGCCCGTTCTGTT 447
          |||||||||||||
Db   415 AGTGCTGTGAAGCCAGA--------------------------------------- 431

Qy   448 CCGGGCTGGGACTCTGCCCCCGGAGCACCCTCCCCAGCTGACATCACCCAATCCCACTCC 507
          |||||||
Db   432 ------------------------------------------C 432

Qy   508 AGCCCCAGGCCCCTTGCCACCGTGCCACCACCAGTGCCTGCCCCTGACCCCGGACC 567
          ||||||||  ||| |||||| | ||||||| |||||||||||||
Db   433 AGCCCCAGGATCCTCTGCCCCGCCTTGCACCCAGCCGCGTCAACGCCCTGACCCCGGACC 492

Qy   568 TGCCGTGCCGTGTGACGCCCAGCTTCCTCCGTGTGTCAAGGGCGGGGCTTAGAGCTC 627
          |||||||||||  | |||||||| |||||| ||  ||| |||||||||||||||||||
Db   493 TGCCGTGCCGTGCCGAGACGCCCGCGTTCCTCCCATTGCCAAGGGGGGCTTAGAGCTC 552

Qy   628 AACCCAGACACCTGCAGGTGCCGGAGCGTGCGAAGGTGA 666
          |||||||  ||||| |||||||||||||| || ||||||
Db   553 AACCCAGCACACCTGAGGTGCCGGAGCGCGCGAAAGTGA 591


RESULT 14
US-08-469-427A-8
; Sequence 8, Application US/08469427A
; Patent No. 5607918
; GENERAL INFORMATION:
;   APPLICANT: Eriksson, Ulf
;   APPLICANT: Olofsson, Birgitta
;   APPLICANT: Alitalo, Kari
;   APPLICANT: Pajusola, Katri
;   TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
;   TITLE OF INVENTION: DNA CODING THEREFOR
;   NUMBER OF SEQUENCES: 17
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
;     STREET: 1200 G Street, N.W., Suite 700
;     CITY: Washington
;     STATE: DC
;     ZIP: 20005
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/469,427A
;     FILING DATE: 06-JUN-1995
;     CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/397,651
;     FILING DATE: 01-MAR-1995
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Evans, Joseph D
;     REGISTRATION NUMBER: 26,269
;     REFERENCE/DOCKET NUMBER: 41979cp2
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (202) 628-8800
;     TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 8:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 405 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
US-08-469-427A-8
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Query Match              41.7%;   Score 277.8; DB 1;  Length 405;
Best Local Similarity    88.9%;   Pred. No. 3.6e-58;
Matches 312;  Conservative  0;  Mismatches  37;  Indels  2;  Gaps  1;

Qy   49  CCCGCCCAGGCCCCTGTCTCCCAGCCTGATGCCCCTGGCCACCAGAGGAAAGTGGTGTCA  108
             | | |||||||||| |||||||||| ||| ||| ||||||| || ||||||| ||
Db   55  CGCACCCAGGCCCCCTGTCTCCCAGTTTGATGGCCCAGCCACCAGAAGAAAGTGGTGCCA  114

Qy  109  TGGATAGATGTGTATACTCCGGCTACCTGCCAGCCCCGGGAGGTGGTGCCCTTGACT  168
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Db  115  TGGATAGACGTTTATGCACGTGCCACATGCCACATGCCAGCCCCAGGGAGGTGGTGCCTCTGAGC  174

Qy  169  GTGGAGCTCATGGGCACCCTGGCCAAACAGCTGTGCCCAGCTGTGCCGTGTGCAGCGC  228
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Db  175  ATGGAACTCATGGGCAATGTGGTCAAACAACTAGTGCCCAGCTGTGTGACTGTGCAGCGC  234

Qy  229  TGTGGTGGCTGCTGCCCTGACGATGGCCTGGAGTGTGTCCCACTGGCCAGCACCAAGTC  288
             ||||||||||||||||||||||||||||| ||||||||||||||||||||||||||
Db  235  TGTGGTGGCTGCTGCCCTGACGATGGCCTGGAATGTGTCCCACTGGCCAGCACCAAGTC  294

Qy  289  CGGATGCAGATCCTGAATGCAGACC--TAAAAAAGGACAGTGCTGTGA  348
             || ||||||||| |||||| ||||  ||||||||||||||||||||
Db  295  CGAATGCAGATCCTCATGATCCAGTCAGTACCCGAGCAGTGCTGGGGGAGATGTCCCTGGAA  354

Qy  349  GAACACAGCCAGTGTGAATGCAGACC--TAAAAAAGGACAGTGCTGTGA  397
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Db  355  GAACACAGCCAATGTGAATGCAGACCAAAAAAAAAGGAGAGTGCTGTGA  405
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RESULT 15
US-08-609-443B-8
; Sequence 8, Application US/08609443B
; Patent No. 5840693
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: OLOFSSON, Birgitta
; APPLICANT: ALITALO, Kari
; APPLICANT: PAJUSOLA, Katri
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
; TITLE OF INVENTION: DNA CODING THEREFOR
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
;   STREET: 1200 G Street, N.W., Suite 700
;   CITY: Washington
;   STATE: DC
;   COUNTRY: USA
;   ZIP: 20005
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/609,443B
;   FILING DATE: 01-MAR-1996
;   CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/397,651
;   FILING DATE: 01-MAR-1995
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/469,427
;   FILING DATE: 06-JUN-1995
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/569,063
;   FILING DATE: 06-DEC-1995
; ATTORNEY/AGENT INFORMATION:
;   NAME: EVANS, Joseph D
;   REGISTRATION NUMBER: 26,269
;   REFERENCE/DOCKET NUMBER: 1064/41979CP4
; TELECOMMUNICATION INFORMATION:

Search completed: June 12, 2001, 00:10:03
Job time: 3562 sec